

L# ANSWER 39 OF 419 CAPLUS COPYRIGHT 2002 ACS

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TI Manufacture of pyrrolidones

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SO Jpn. Kokai Tokkyo Koho, 7 pp.

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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AB Pyrrolidone or an N-alkylpyrrolidone is manufd. by converting .gamma.-hydroxybutylamide or N-alkyl .gamma.-hydroxybutylamide, which is a reaction product of .gamma.-butyrolactone and ammonia or a primary alkylamine, in a tube-type reactor. The process is characterized by using a tube-type reactor which is instilled with multiple independent temp. control means along the the flowing direction of the fluid. The temp. control means in the upper stream heat the reaction fluid to convert 50-98 mol% of the hydroxybutylamide to pyrrolidone, while the the temp. control means in the lower stream keep the temp.

IC ICM C07D207-267

DT Patent

LA Japanese